

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF SAE AS85049.

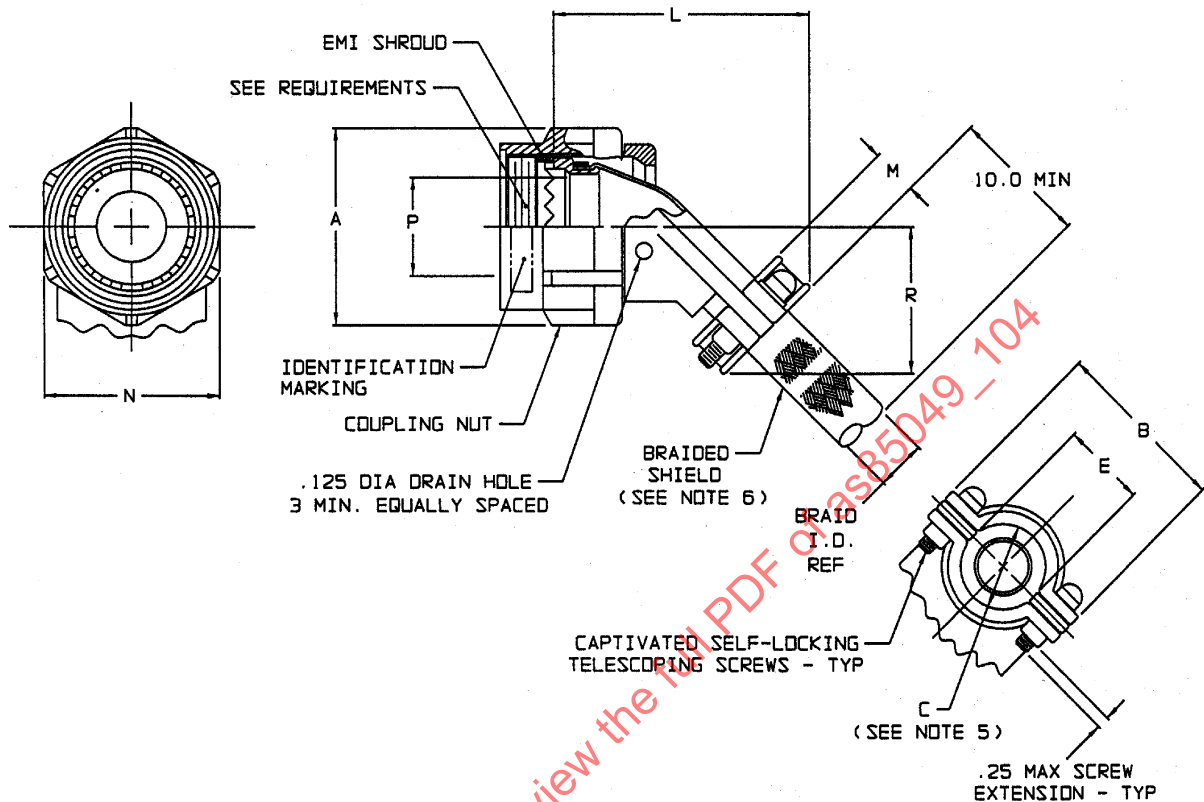
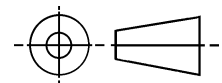


FIGURE 1 - CONFIGURATION AND DIMENSIONS

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

SAE The Engineering Society
For Advancing Mobility
Land Sea Air and Space
INTERNATIONAL
400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE STANDARD

CONNECTORS, ACCESSORIES, COMPOSITE,
RFI/EMI, ELECTRICAL, STRAIN RELIEF, 45°,
SELF-LOCKING, CATEGORY 3C
(FOR MIL-DTL-38999 SERIES III AND IV CONNECTORS)

AS85049/104
SHEET 1 OF 3

ISSUED 2002-06

TABLE 1 - SHELL SIZES AND DIMENSIONS

SHELL SIZE	A MAX DIA	B MAX	C ±.031 DIA SEE NOTE 5	E MIN	L MAX	M ±.03	N HEX	P MIN	R MAX	BRAID I.D. REF	SCREW SIZE
09	.858 (21.79)	.98 (24.89)	.265 (6.73)	.229 (5.82)	1.388 (35.26)	.375 (9.53)	.750/.736 (19.05/18.69)	.264 (6.71)	.901 (22.88)	.375 (9.53)	4-40
11	.984 (24.99)	1.05 (26.67)	.310 (7.87)	.274 (6.96)	1.428 (36.27)	.375 (9.53)	.875/.860 (22.23/21.84)	.390 (9.91)	.964 (24.49)	.375 (9.53)	4-40
13	1.157 (29.39)	1.20 (30.48)	.390 (9.91)	.354 (8.99)	1.498 (38.05)	.406 (10.31)	1.000/.980 (25.40/24.89)	.504 (12.80)	1.050 (26.67)	.500 (12.7)	6-32
15	1.280 (32.51)	1.30 (33.02)	.506 (12.85)	.470 (11.94)	1.548 (39.32)	.406 (10.31)	1.125/1.100 (28.58/27.94)	.630 (16.00)	1.112 (28.24)	.500 (12.7)	6-32
17	1.406 (35.71)	1.44 (36.58)	.591 (15.01)	.555 (14.10)	1.648 (41.86)	.406 (10.31)	1.250/1.224 (31.75/31.09)	.756 (19.20)	1.175 (29.85)	.781 (19.84)	6-32
19	1.516 (38.51)	1.56 (39.62)	.661 (16.79)	.625 (15.88)	1.768 (44.91)	.406 (10.31)	1.375/1.348 (34.93/34.24)	.843 (21.41)	1.230 (31.24)	.781 (19.84)	6-32
21	1.642 (41.51)	1.69 (42.92)	.744 (18.90)	.708 (17.98)	1.808 (45.92)	.406 (10.31)	1.500/1.469 (38.10/37.31)	.969 (24.61)	1.293 (32.84)	1.000 (25.40)	6-32
23	1.768 (44.91)	1.77 (44.96)	.826 (20.98)	.790 (20.07)	1.858 (47.19)	.406 (10.31)	1.625/1.581 (41.28/40.16)	1.091 (27.71)	1.365 (34.67)	1.000 (25.40)	6-32
25	1.890 (48.01)	1.89 (48.01)	.896 (22.76)	.860 (21.84)	1.898 (48.21)	.406 (10.31)	1.750/1.690 (44.45/42.93)	1.217 (30.91)	1.417 (35.99)	1.250 (31.75)	6-32

NOTES:

- DIMENSIONS ARE IN INCHES.
- METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.
- MILLIMETERS ARE IN PARENTHESES.
- DIMENSIONS APPLY AFTER PLATING.
- CABLE ENTRY IS MEASURED WITH SADDLE BARS CLOSED AND BOTTOMED ON CLAMP EARS.
- FOR SHIELD SPLICE/TERMINATION USE M85049/93 SPLIT SUPPORT RING.
- DETENTED SELF-LOCKING HAS A POSITIVE AUDIBLE, DETENTED COUPLING.

REQUIREMENTS:

- CONNECTOR ACCESSORY DESIGN AND CONSTRUCTION:

DIMENSIONS AND CONFIGURATIONS: SEE FIGURE 1.

- INTERFACE DIMENSIONS: IN ACCORDANCE WITH SAE AS85049, FIGURE 3.
- ACCESSORIES: CONSIST OF A COUPLING NUT, 45° CLAMP STRAIN RELIEF, BRAIDED SHIELD AND SADDLE BARS. THE COUPLING NUT SHALL BE CAPTIVATED TO THE CLAMP AND IS FREE TO ROTATE.
- CLAMP SHALL HAVE NO PROTRUSIONS OR SHARP EDGES WHICH MAY PINCH CABLE.
- MATERIAL AND FINISH: IN ACCORDANCE WITH SAE AS85049
CLAMP BODY, COUPLING AND SADDLE CLAMPS: COMPOSITE (NON-CONDUCTIVE NO FINISH)
SELF-LOCKING TELESCOPING SCREWS AND WASHERS: 300 SERIES CORROSION-RESISTANT STEEL/PASSIVATED
BRAID: 34 GAUGE WIRE, COPPER, NICKEL PLATED, 50 MICRO-INCHES MINIMUM THICKNESS
BRAID CONSTRUCTION: IN ACCORDANCE WITH MIL-DTL-27500, LETTER "N"
INTERFACE AND SHROUD: BRASS, NICKEL PLATED
BRAID RETENTION DEVICE: ALUMINUM/IRIDITE PER MIL-C-5541 OR 300 SERIES CORROSION RESISTANT STEEL/
PASSIVATED OR COPPER/TIN PLATED